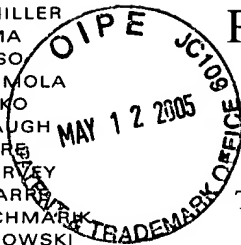


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Certificate
MAY 18 2005
of Correction

Re: U.S. Patent No.: 6,842,978 B2
Issued: January 18, 2005
Inventor: Britt et al.
Our Docket: 33053

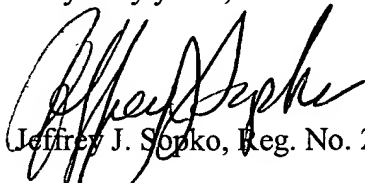
Sir:

A Certificate of Correction under 35 U.S.C. 254 is hereby requested to correct Patent Office printing errors in the above-identified patent. Enclosed herewith is a proposed Certificate of Correction (Form No. PTO-1050) for consideration along with appropriate documentation supporting the request for correction.

It is requested that the Certificate of Correction be completed and mailed at an early date to the undersigned attorney of record. The proposed corrections are obvious ones and do not in any way change the sense of the application.

We understand that a check is not required since the errors were on the part of the Patent and Trademark Office in printing the patent.

Very truly yours,

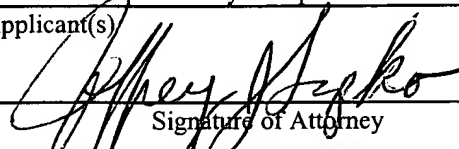

Jeffrey J. Sopko, Reg. No. 27676

JJS:vlm
Enclosures

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below.

Jeffrey J. Sopko
Name of Attorney for Applicant(s)

May 10, 2005
Date


Signature of Attorney

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

PATENT NO. : 6,842,978 B2
DATED : January 18, 2005
INVENTOR(S) : Britt et al.

PAGE 1 OF 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 9

Claim 20, line 40, please "opening" and insert therefor --openings--.

Column 10

Claim 20, line 2, please delete "tort" and insert therefor --port--.

Column 10

Claim 20, line 11, please delete "Port" and insert therefor --port--.

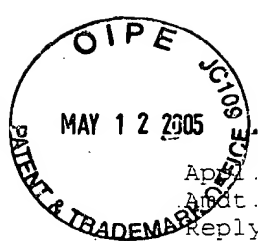
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PATENT NO. 6,842,978 B2

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App. No. 09/932,532
App. Dated August 27, 2004
Reply to Office action of April 27, 2004

Issued as Claim 20

1 Claim 27 (Currently amended): A method of

2 manufacturing ~~a cylinder head~~ an assembly for a small
3 engine comprising the steps of

4 casting a cylinder head having an as-cast cylinder
5 chamber defined by a cylinder wall, an as-cast spark plug
6 aperture communicating with one end of said cylinder
7 chamber, cooling fins, an as-cast blind exhaust port
8 ~~extending from the cylinder chamber to a first face on an~~
9 ~~exhaust port flange, an as-cast blind intake port~~
10 ~~extending from said cylinder chamber to a second face on~~
11 ~~an intake port flange, fastener openings in said a first~~
12 face on an exhaust port flange, additional fastener
13 openings in a second face on an intake port flange and
14 ~~second faces, a foot flange having an as-cast mounting~~
15 surface at another end of said cylinder chamber, and
16 having as-cast fastening openings in said foot flange,
17 wherein ~~said exhaust port aperture and said intake~~
18 ~~aperture are closed by thin webs forming portions of said~~
19 ~~as-cast cylinder chambers~~ the as-cast blind exhaust port
20 is formed without the use of a through core pin and the
21 as-cast blind exhaust port is entirely closed at one end
22 by a first thin web comprising a portion of the cylinder
23 wall, the as-cast blind intake port is formed without the
24 use of a through core pin and the as-cast blind intake

25 port is entirely closed at one end by a second thin web
26 comprising another portion of the cylinder wall;
27 machining said cylinder wall to a predetermined
28 tolerance, wherein the first web of the blind exhaust
29 port and the second web of the blind intake port are
30 removed by the step of machining the cylinder wall to
31 form a through exhaust port extending from the cylinder
32 chamber to the first face on the exhaust port flange and
33 a through intake port extending from the cylinder chamber
34 to the second face on the intake port flange;
35 ~~removing said thin webs when said cylinder wall is~~
36 ~~machined,~~
37 tapping said spark plug aperture;
38 casting a crankcase having a crank chamber, a
39 crankcase connecting flange defining an opening to said
40 crank chamber, said crankcase connecting flange having an
41 as-cast flange mounting surface, and having first and
42 second fastener openings cast into said [[as-cast]]
43 crankcase flange mounting surface;
44 positioning the as-cast mounting surface of said
45 cylinder head foot flange in face-to-face contact with
46 the as-cast flange mounting surface of said crankcase so
47 that the as-cast fastening openings in the cylinder head
48 foot flange are in axial alignment with the first and